

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM NO. 01-156
FOR
BIG BEAR AREA REGIONAL WASTEWATER AGENCY, OWNER/OPERATOR
EXPORT OF RECYCLED WATER TO LUCERNE VALLEY
Lucerne Valley – San Bernardino County

Location of Discharge: Section 14, T4N, R1E, SBB&M

MONITORING

1. The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted by a laboratory certified by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of the "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40CFR Part 136), promulgated by the USEPA.
2. Samples shall be collected at the location specified in the Permit. If no location is specified, sampling shall be conducted at the most representative sampling point available.
3. If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall forward a letter to the Regional Board indicating that there has been no activity during the required reporting period.

EFFLUENT MONITORING

Representative samples of the undisinfected secondary recycled water shall be taken at the location of beneficial reuse or at the treatment facility. The samples shall be analyzed for the following constituents:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ₅	mg/L	24-Hr. Composite	Twice a month
Suspended Solids	mg/L	24-Hr. Composite	Twice a month
Irrigation Flow	MGD ¹	Flow Measurement	Daily ²
pH	pH units	Grab	Daily
Total Dissolved Solids	mg/L	24-Hr. Composite	Monthly
Sulfate (SO ₄)	mg/L	24-Hr. Composite	Monthly
Chloride	mg/L	24-Hr. Composite	Twice a month

¹ Million Gallons-Per-Day

² Reported for each day with average monthly flow calculated.

Fluoride (F)

mg/L

24-Hr. Composite

Monthly

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Boron	mg/L	24-Hr. Composite	Monthly
Nitrate (NO ₃ -N) as N	mg/L	24-Hr. Composite	Monthly
Volatile Organic Compounds ³	µg/L ⁴	Grab	Annually
Total Nitrogen	mg/L	24-Hr. Composite	Monthly

DOMESTIC WATER SUPPLY

The Big Bear domestic water supply shall be sampled for the following constituent:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Every 3-years

GROUND WATER MONITORING

Ground water shall be sampled in the uppermost 20 feet of the shallow aquifer from each of the three monitoring wells for the facility, and analyzed for the following constituents:

<u>Constituent</u>	<u>Unit</u>	<u>Type Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Annually
Total Nitrogen	mg/L	Grab	Annually
Nitrate as N	mg/L	Grab	Annually
Sulfate	mg/L	Grab	Annually
Chloride	mg/L	Grab	Semi-Annually
Fluoride	mg/L	Grab	Semi-Annually
Volatile Organics	µg/L	Grab	Annually
Boron	mg/L	Grab	Annually

OPERATION AND MAINTENANCE

The discharger shall report the following:

<u>Activity</u>	<u>Reporting</u>
To inspect and document any operation/maintenance problems by inspecting the disposal	Annually

³ Analysis of Volatile Organic Compounds is to be accomplished using the USEPA test methods 601 and 602 or 624.

⁴ µg/L = microgram-per-liter

and storage system and reviewing irrigation practices. In addition, calibration of flow meters and equipment shall be performed in a timely manner and documented.

REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement(s);
 - b. The individual(s) who performed the sampling or measurement(s);
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
3. The results of any analysis performed, more frequently than required using test procedures and locations specified in this Monitoring and Reporting Program shall be reported to the Regional Board.
4. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
5. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations".
6. A duly authorized representative of the discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Regional Board's Executive Officer.
7. Reporting of any failure in the facility (disposal system in Colorado River Basin Region Lucerne Valley area) shall be as described in Provision No. 10. Results of any analysis performed as a result of a failure of the facility shall be provided within ten (10) days after collection of the samples.
8. The discharger shall attach a cover letter to the Self Monitoring Report. The information contained in the cover letter shall clearly identify violations of the WDRs, discuss corrective actions taken or planned, and the proposed time schedule of corrective actions. Identified violations should include a description of the requirements that was violated, and description of the violations.

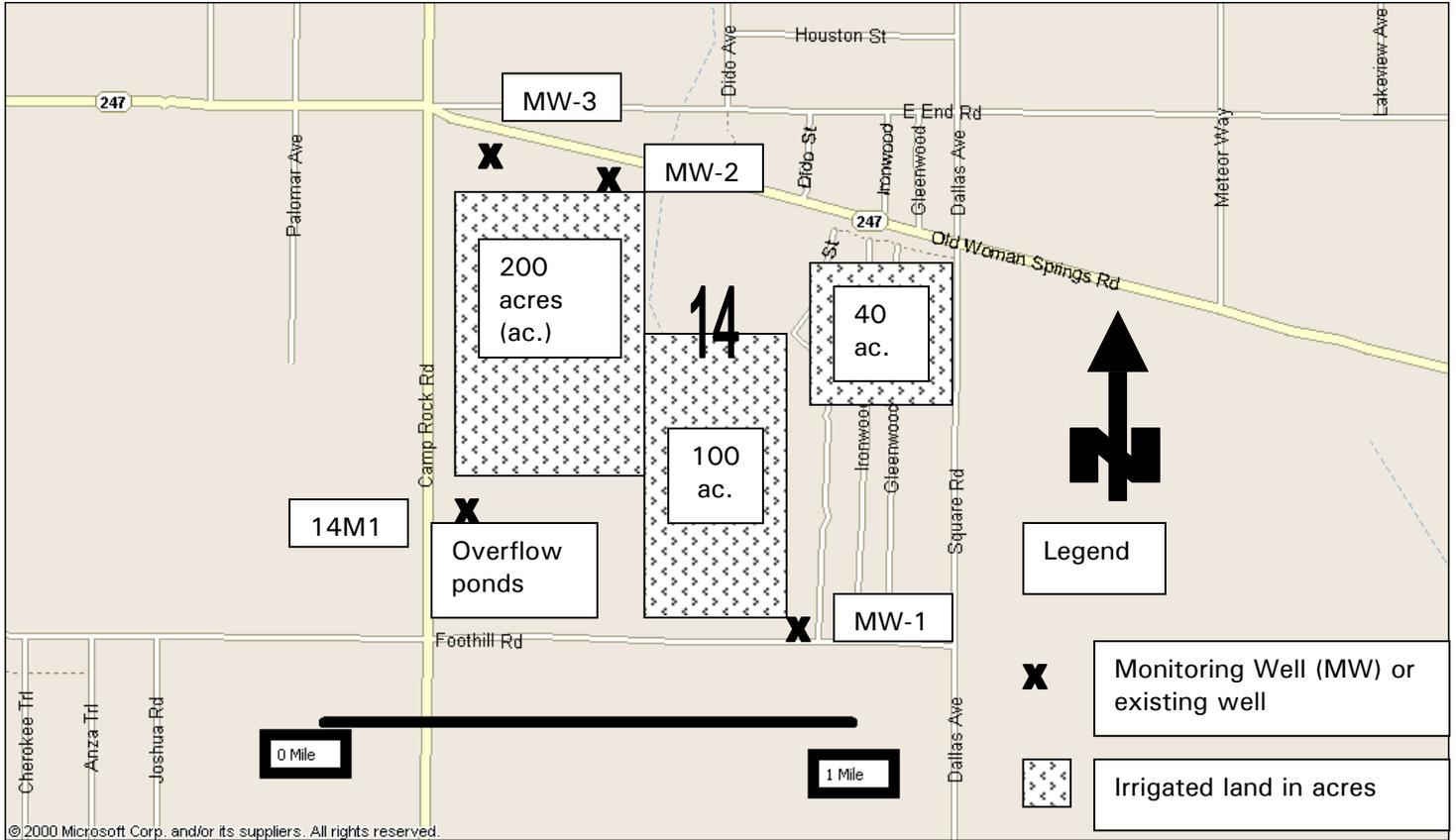
9. Daily, semi-weekly and monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15, of each year. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.

10. Submit monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring, Suite 100
Palm Desert, CA 92260

Ordered by: _____
Executive Officer

November 14, 2001
Date



SITE MAP OF IRRIGATION AREAS

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